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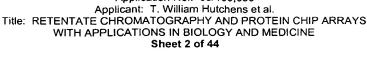
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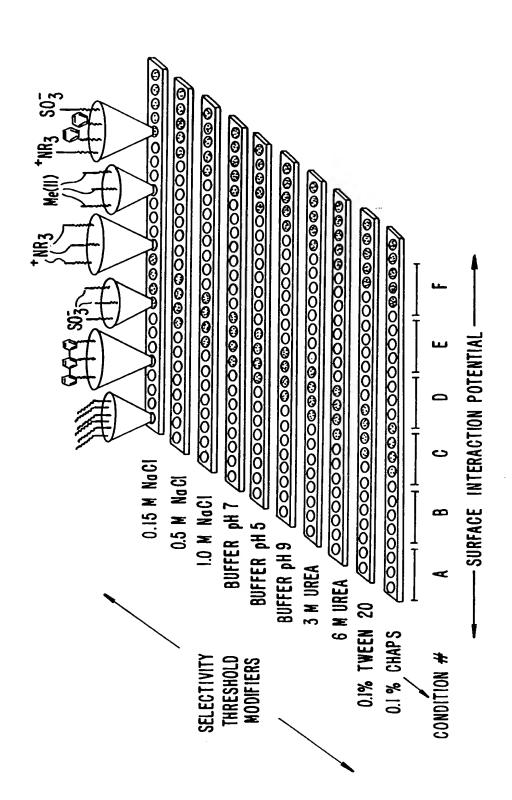
-16. 1



Application No.: 09/100,633 Applicant: T. William Hutchens et al.

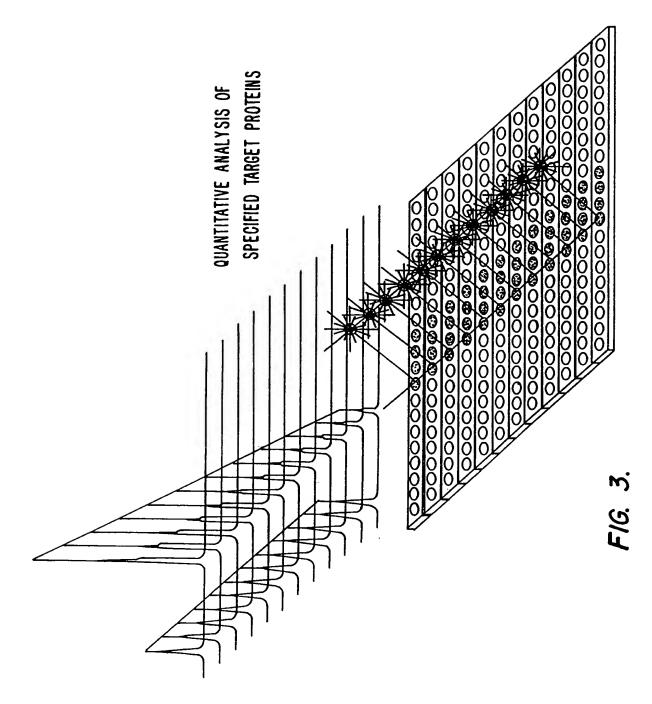
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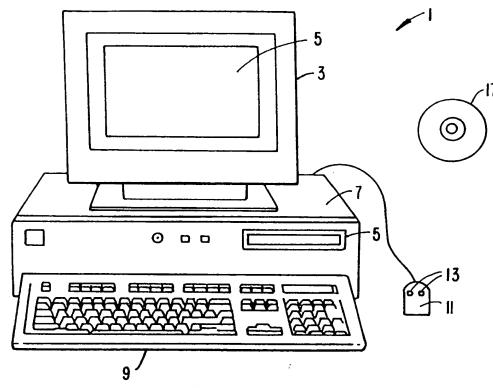


FIG. 4A.

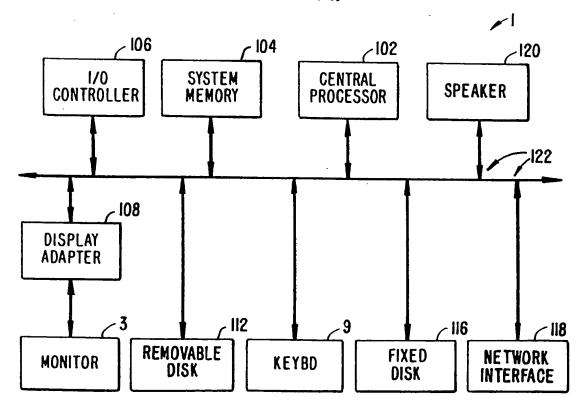


FIG. 4B.





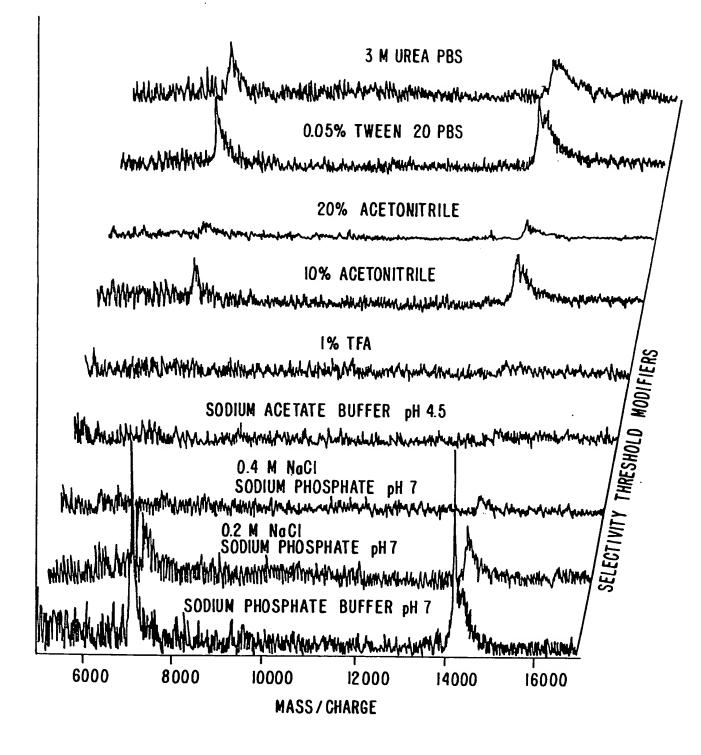


FIG. 5A.



Applicantin No.: 09/100,633
Applicant: T. William Hutchess et al.

Title: RETENTATE CHROMATOGRAPHY AND PROTEIN CHIP ARRAYS WITH APPLICATIONS IN BIOLOGY AND MEDICINE

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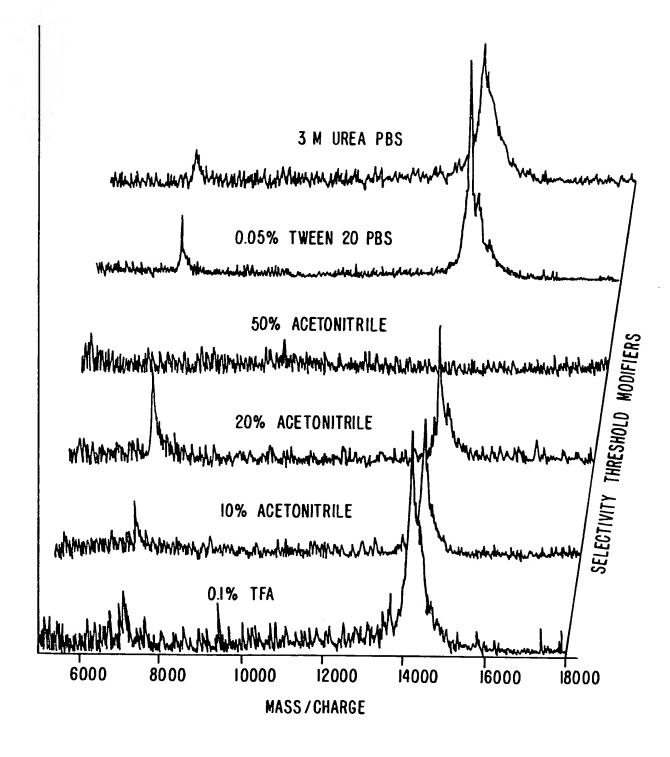
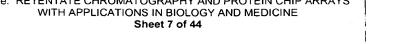


FIG. 5B.



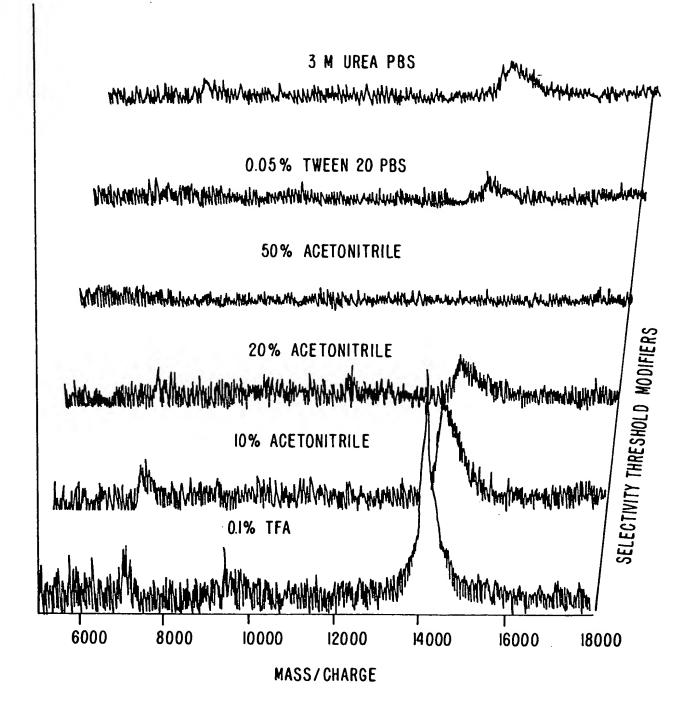


FIG. 5C.



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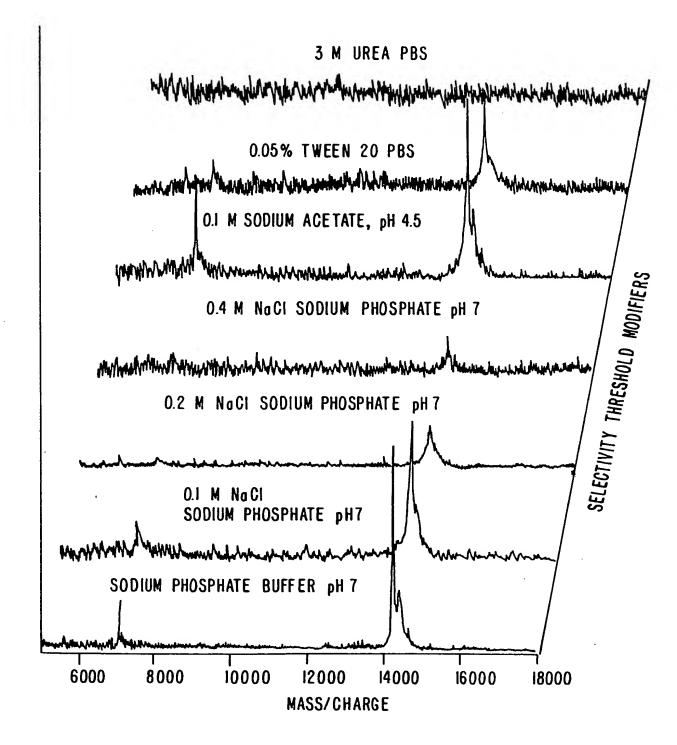


FIG. 5D.



Application No.: 09/100,633
Applicant: T. William Hutchens et al. WITH APPLICATIONS IN BIOLOGY AND MEDICINE

Title: RETENTATE CHROMATOGRAPHY AND PROTEIN CHIP ARRAYS Sheet 9 of 44

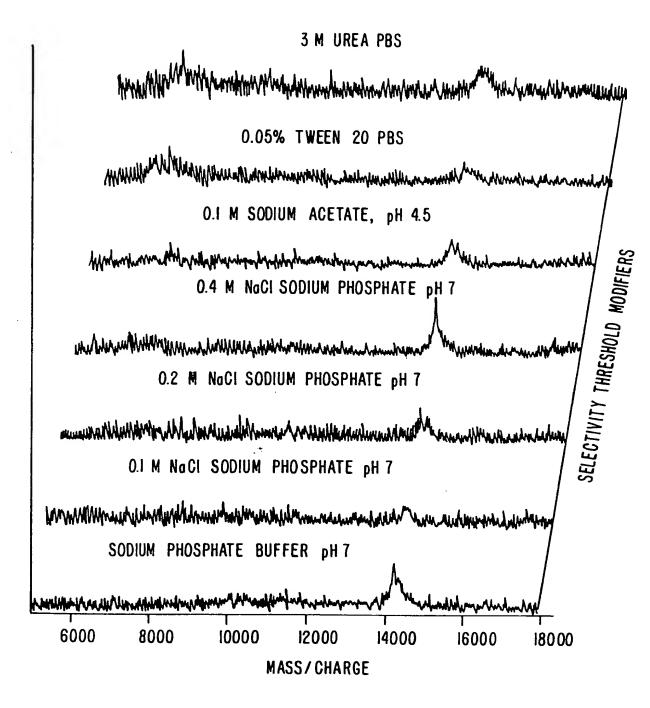


FIG. 5E.

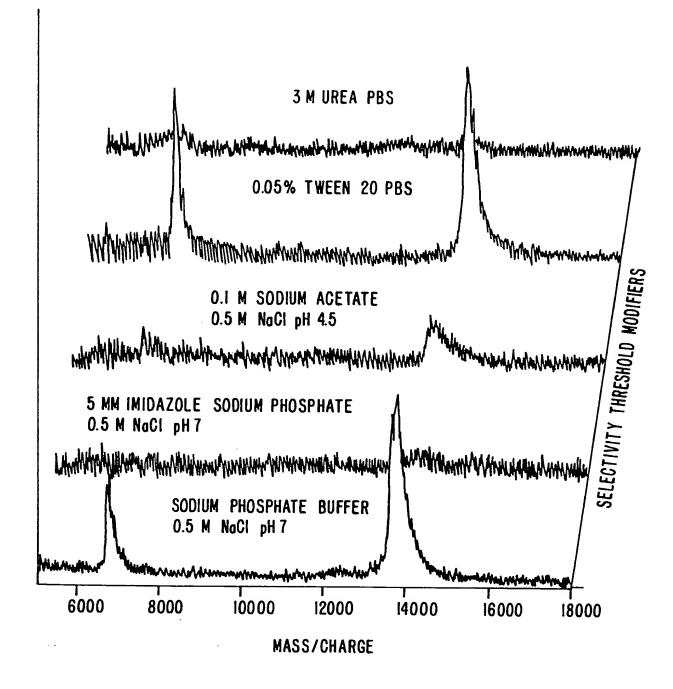


FIG. 5F.



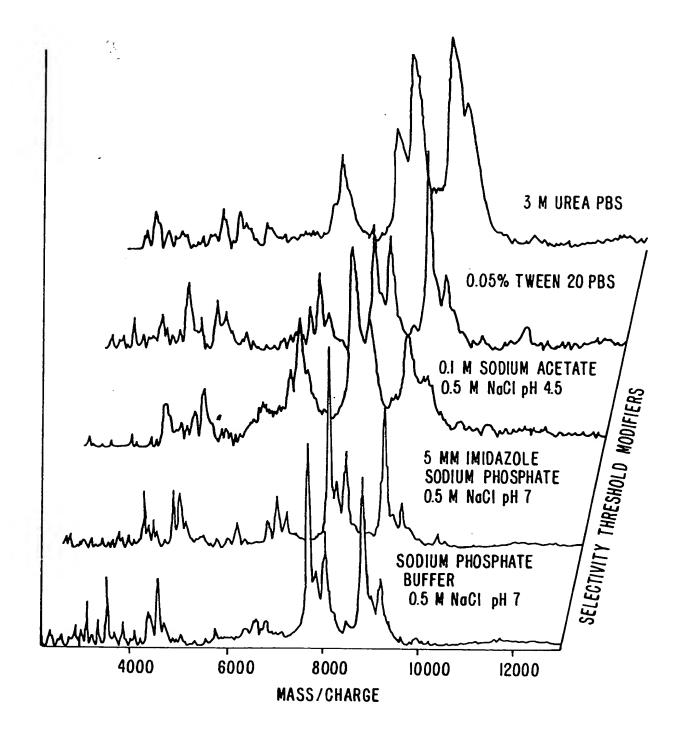


FIG. 6A.



3 M UREA PBS 0.05% TWEEN 20 PBS Withwest by Cally and Marines and Pratition of Assessed O.I M SODIUM ACETATE 0.5 M NaCl pH 4.5 5 MM IMIDAZOLE SODIUM PHOSPHATE 0.5 M NaC1 pH 7 SODIUM PHOSPHATE BUFFER 0.5 M NaCl pH 7 10000 20000 30000 40000 50000 60000 70000 80000

FIG. 6B.

MASS/CHARGE



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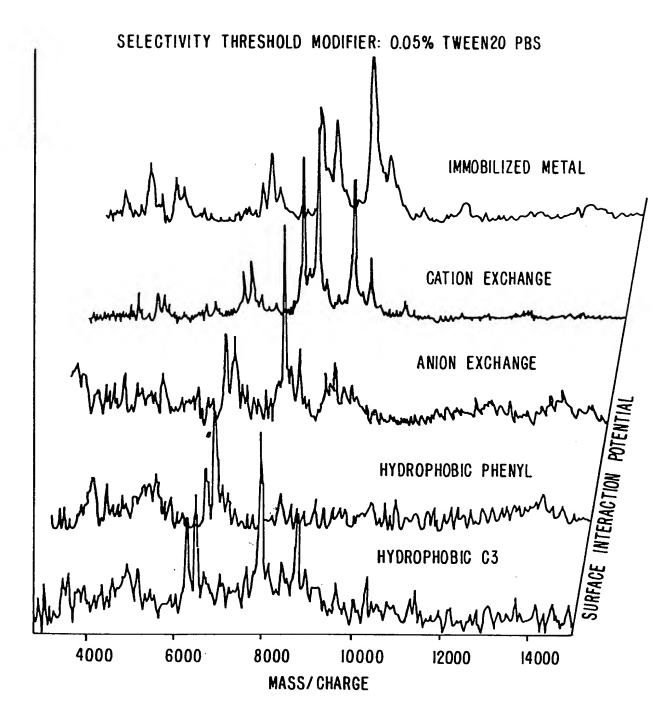
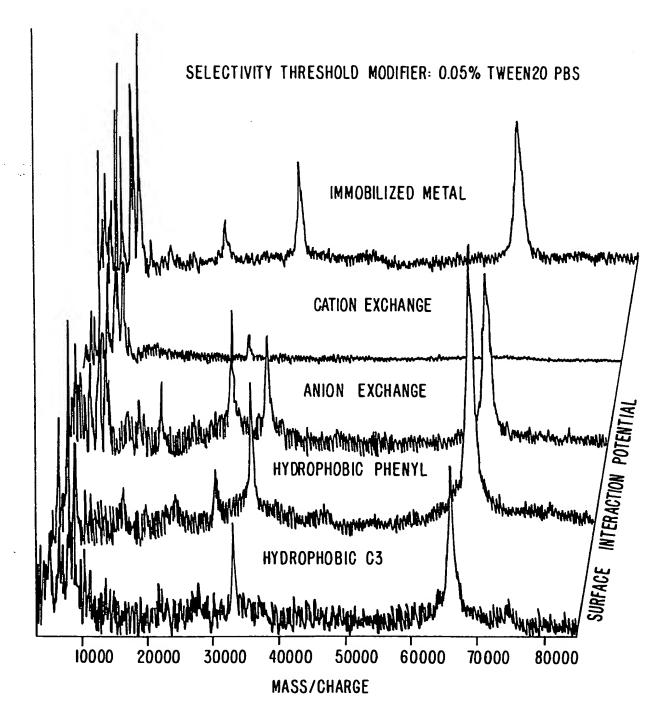


FIG. 7A.



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F/G. *78*.



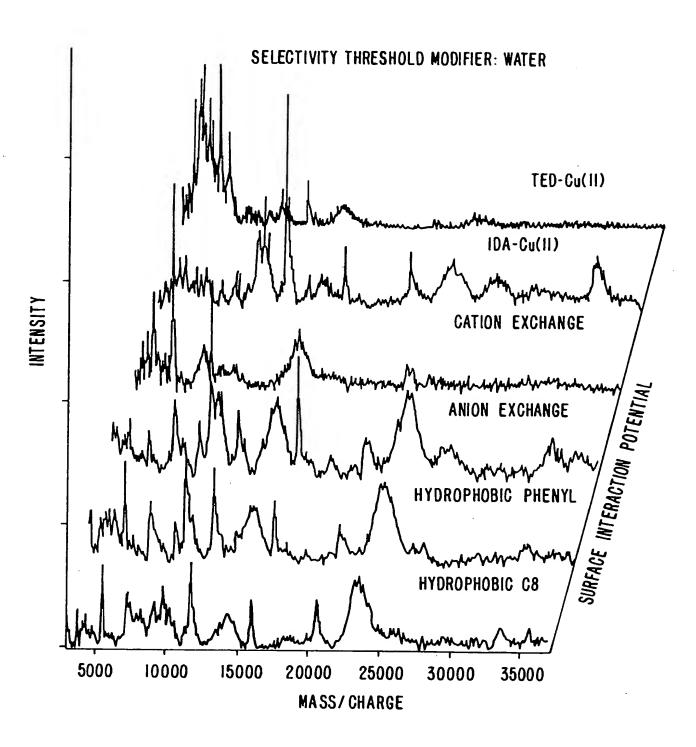


FIG. 8A.



SELECTIVITY THRESHOLD MODIFIER: WATER TED-Cu(II) IDA-Cu(II) perpendent in personal magnification and represent INTENSITY **CATION EXCHANGE** SURFACE INTERACTION POTENTIAL ANION EXCHANGE HYDROPHOBIC PHENYL HYDROPHOBIC C8

FIG. 8B.

MASS/CHARGE

10000 20000 30000 40000 50000 60000 70000 80000 90000





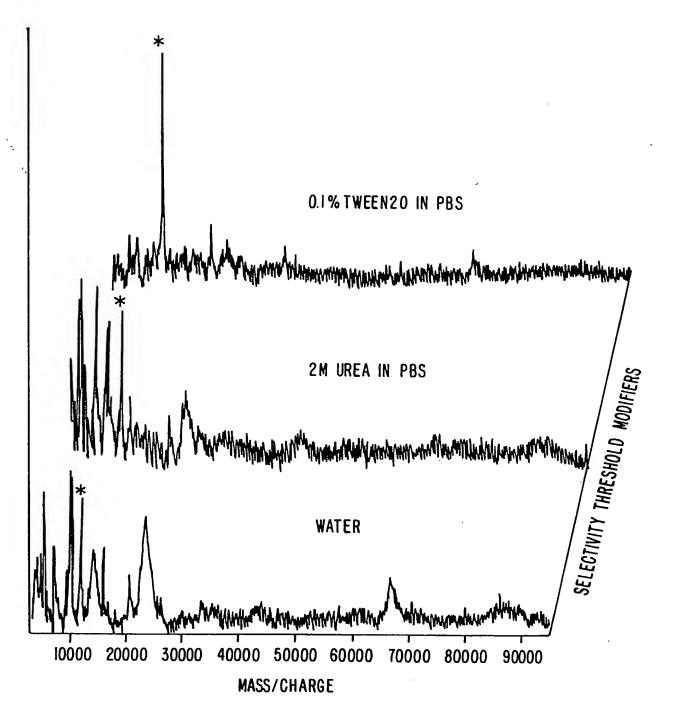


FIG. 9.

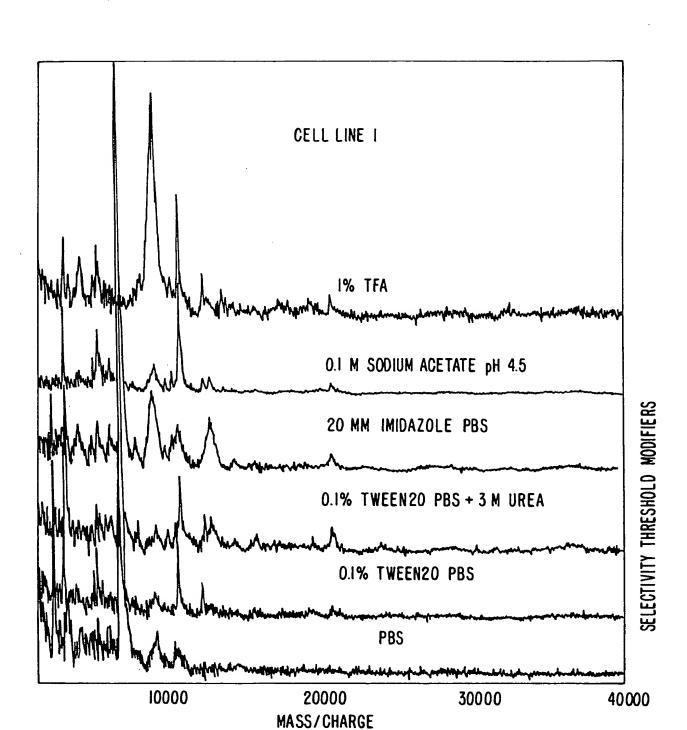


FIG. IOA.



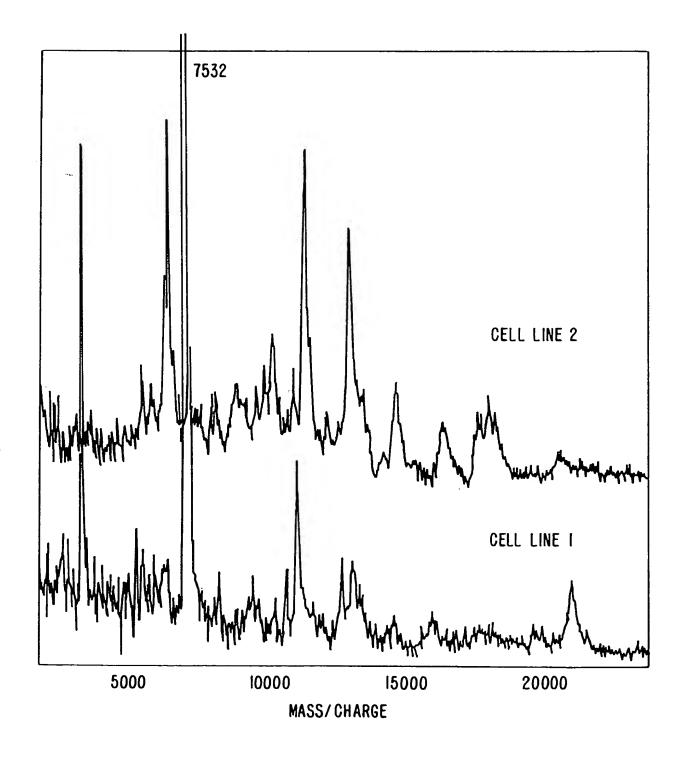


FIG. IOB.





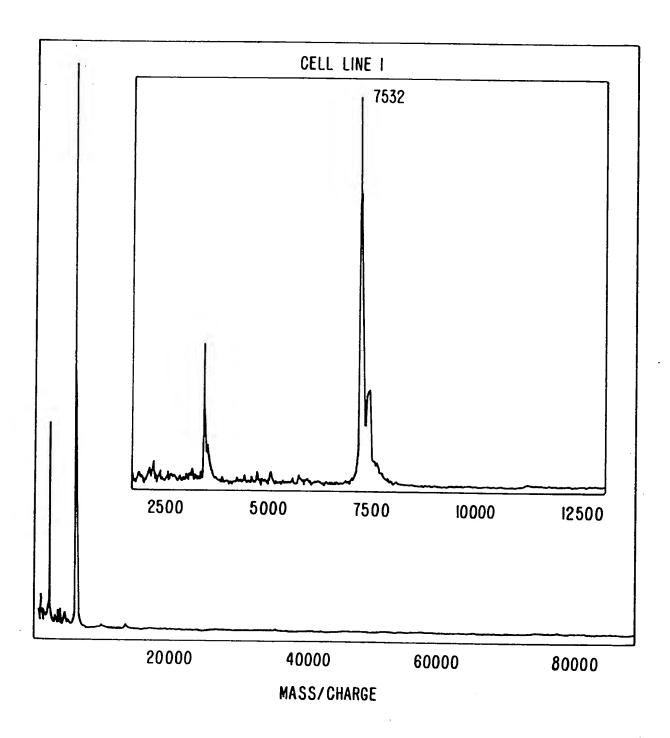


FIG. 10C.



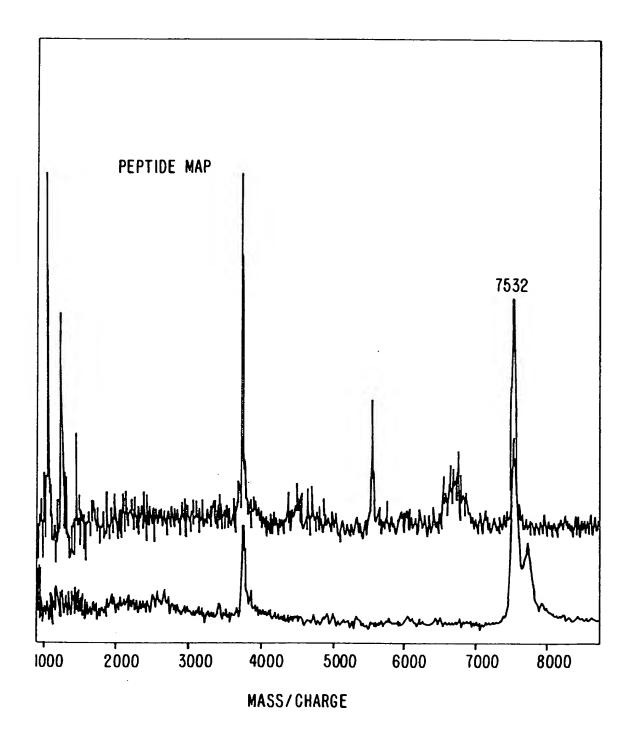
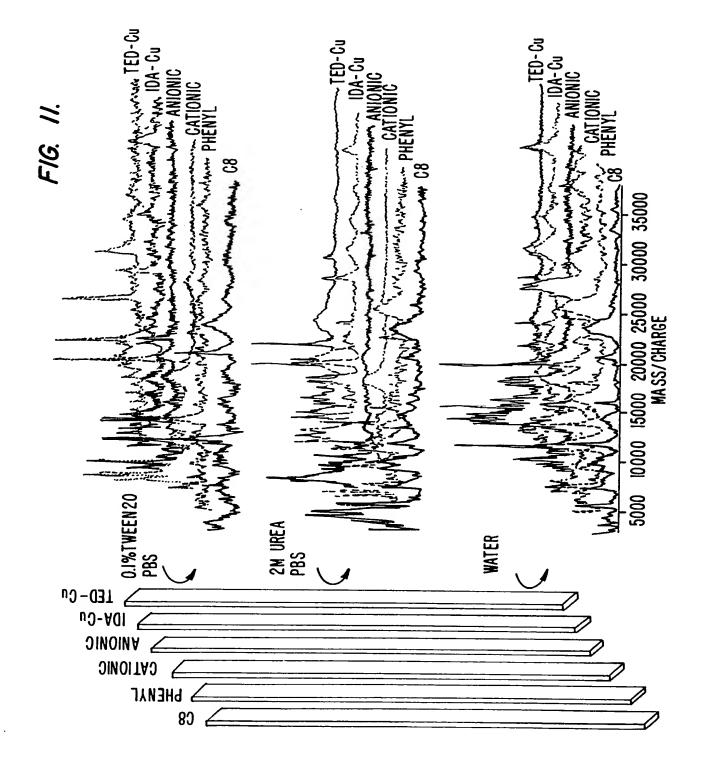


FIG. IOD.

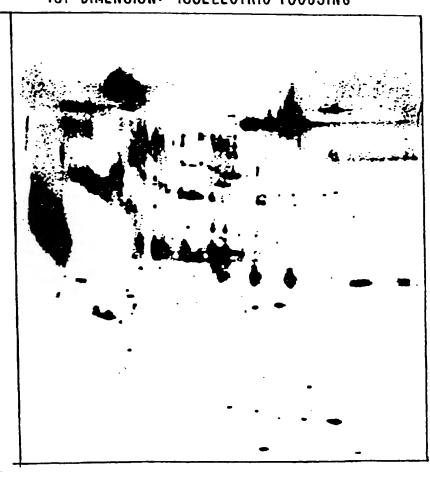


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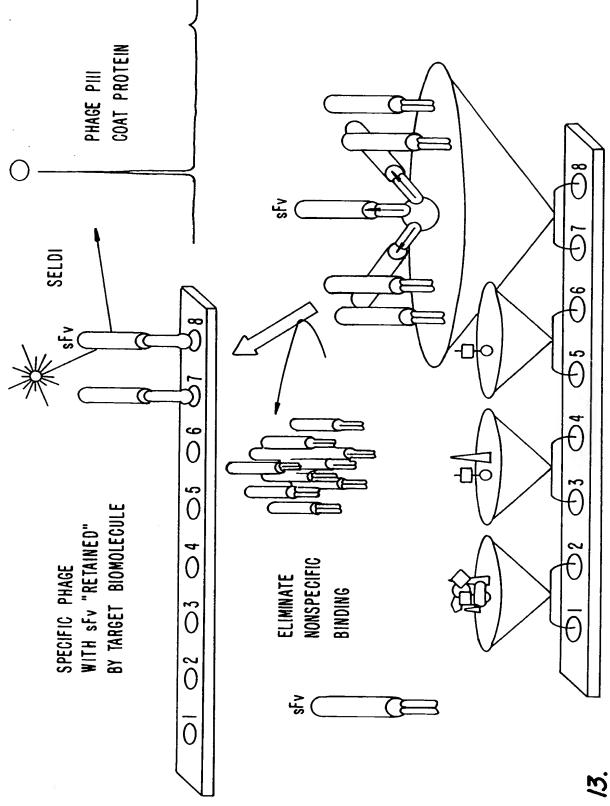
IST DIMENSION: ISOELECTRIC FOCUSING

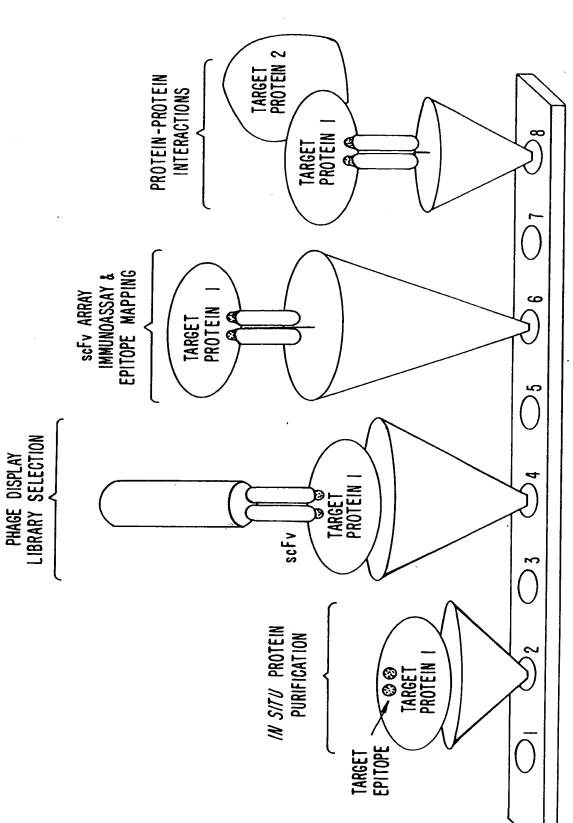


2ND DIMENSION: SDS PAGE

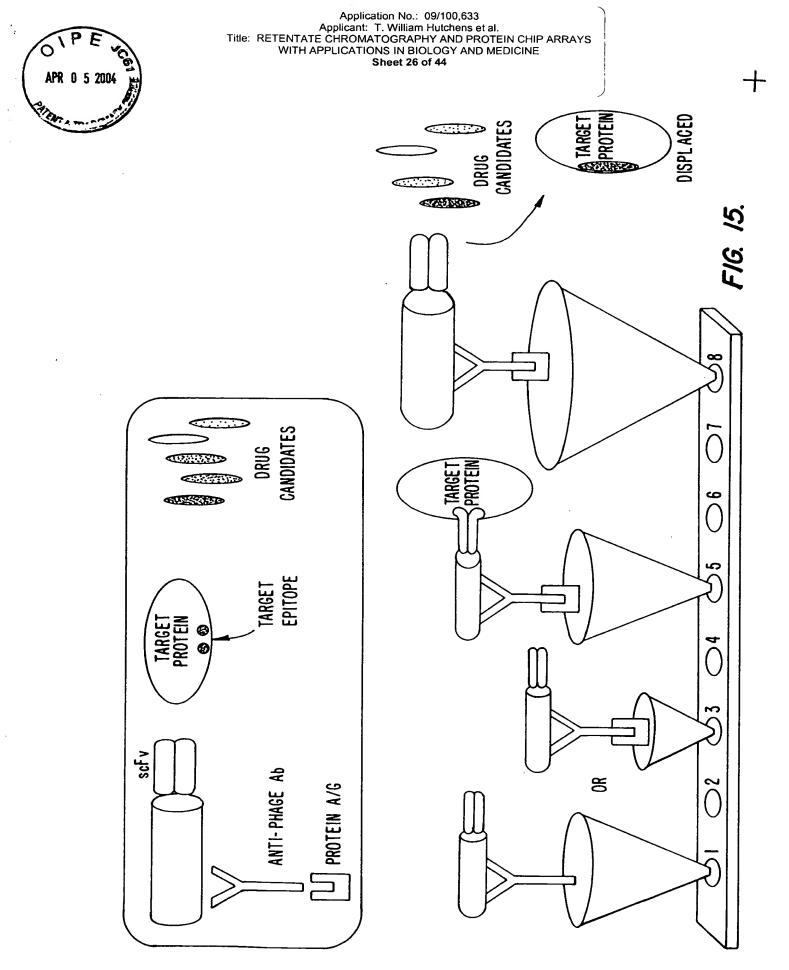
FIG. 12.





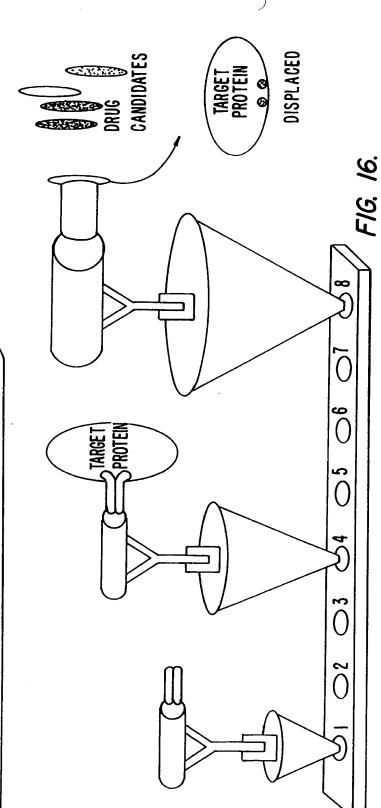


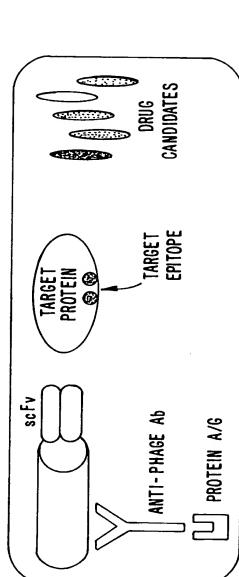
F1G. 14.



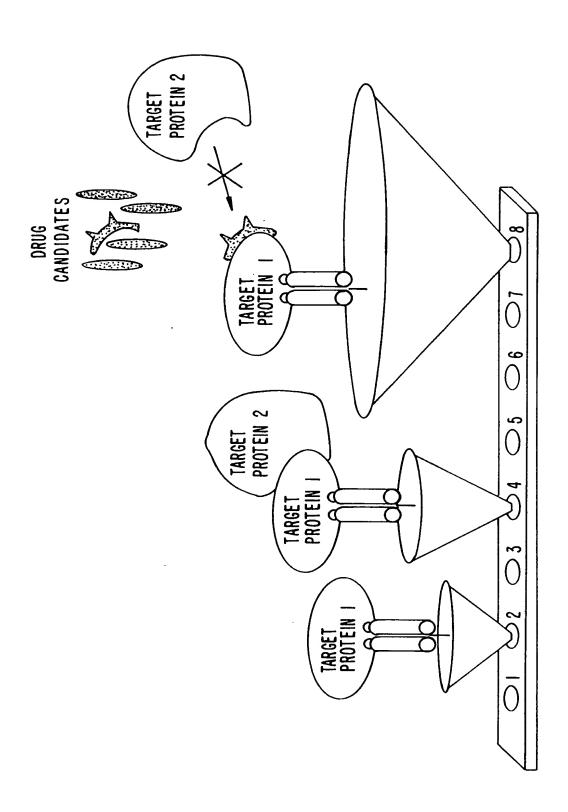


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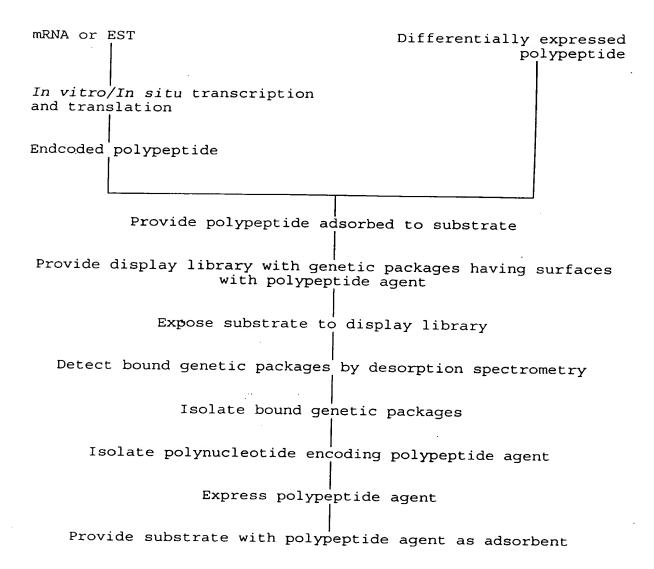
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F1G. 17.



Fig. 18





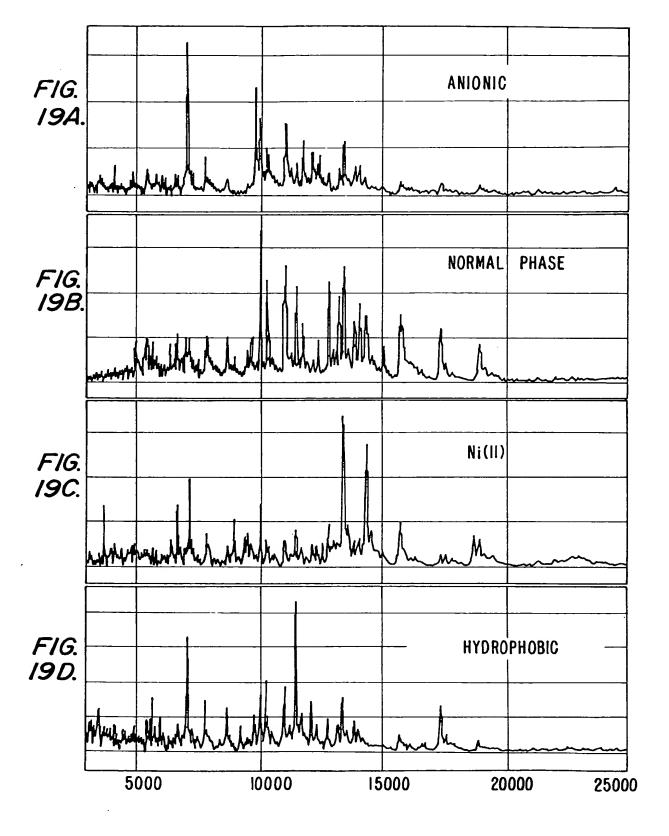
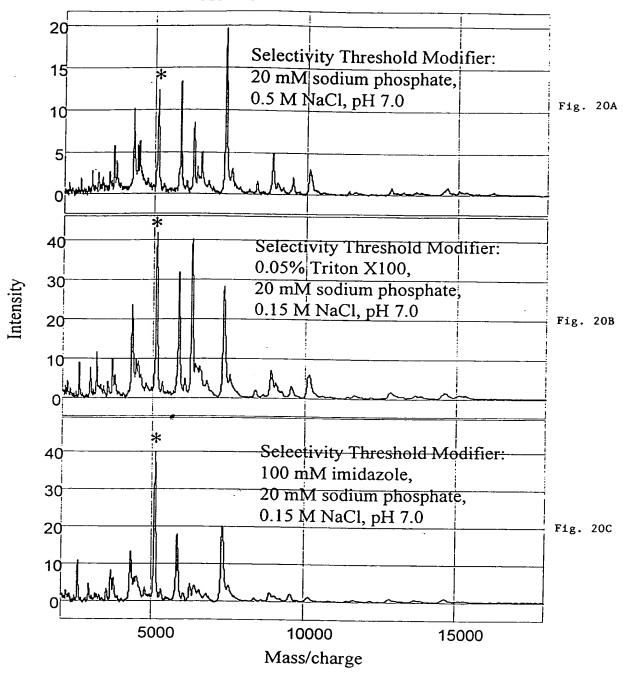
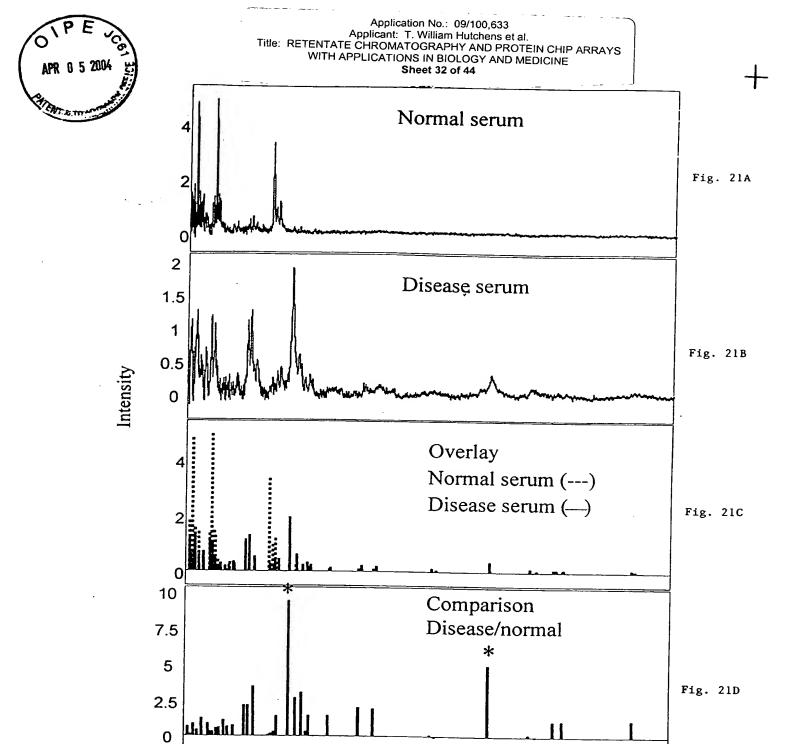






FIG. 20

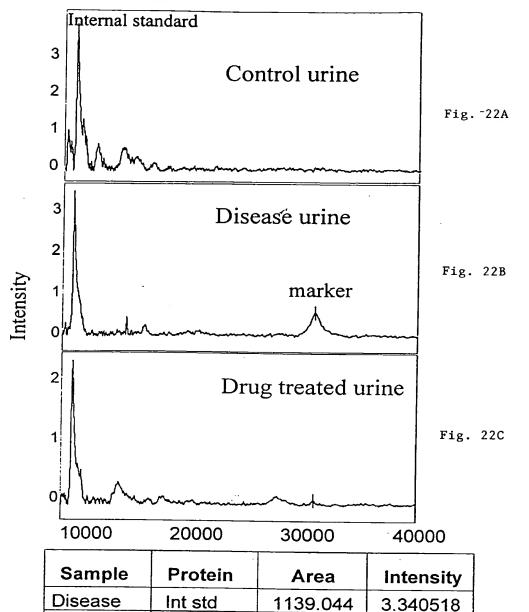




Mass/charge



FIG. 22



Normalized marker peak area (marker/internal std):

695.4804

1383.883

71.05119

0.580081

3.780178

0.143227

Fig. 22D

Control

0.0

marker

Int std

marker

Disease

0.61

Drug treated

Drug treated

0.05



Retentate Map<sup>TM</sup> of Human Urine SELDI ProteinChip<sup>TM</sup> Array

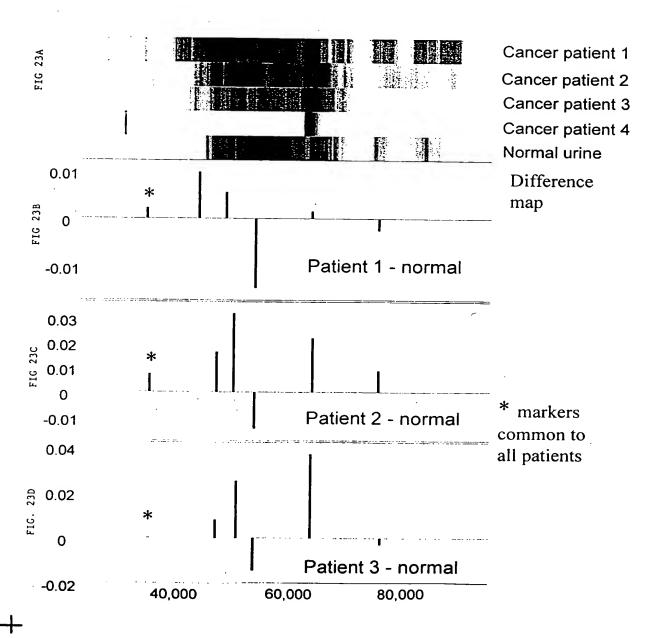
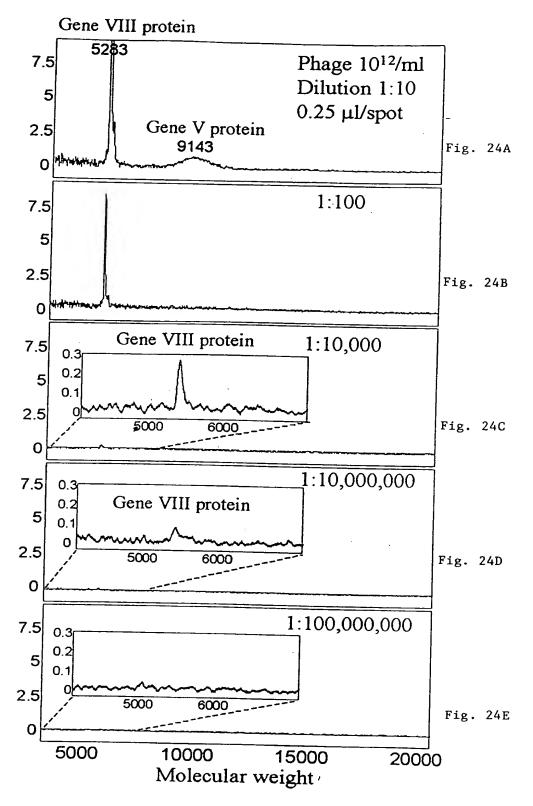


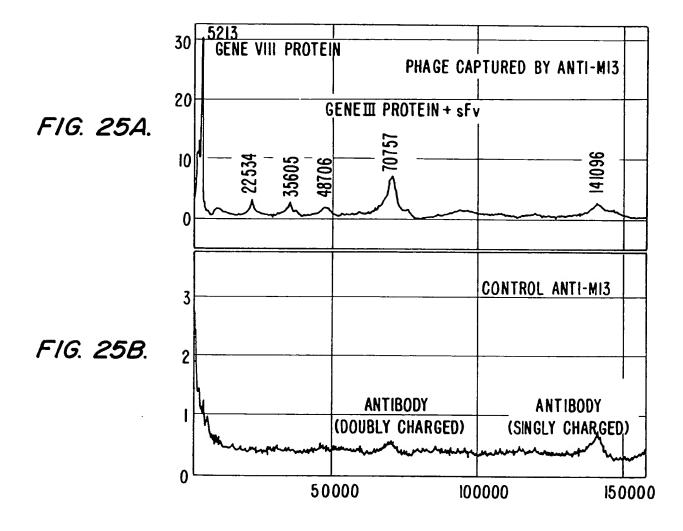


FIG. 24

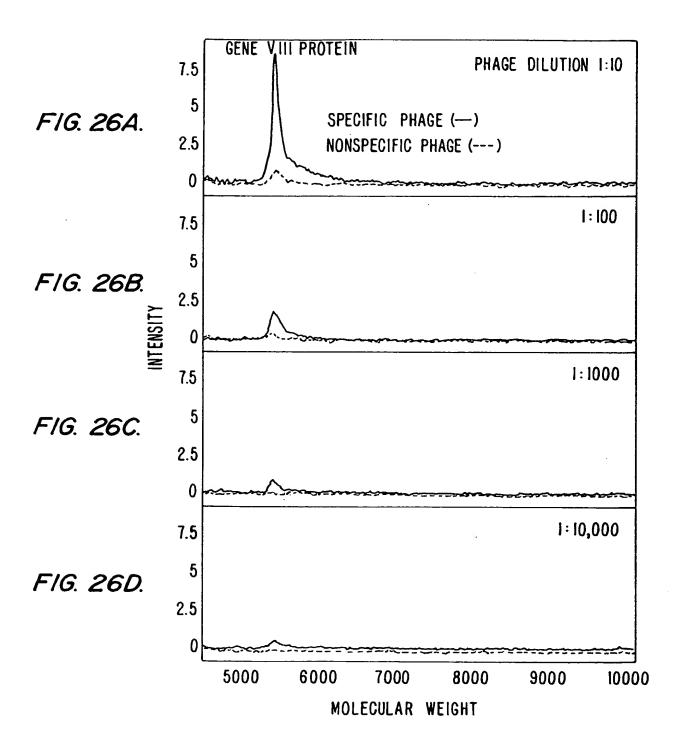




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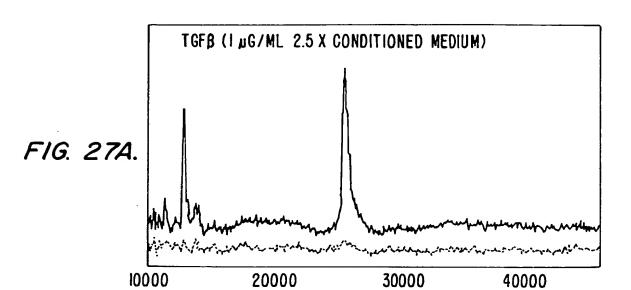




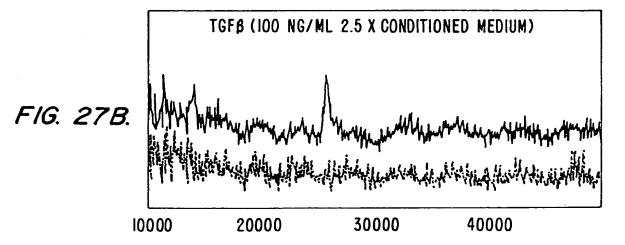




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BINDING IN THE ABSENCE OF FREE RECEPTOR (-) BINDING IN THE PRESENCE OF EXCESS FREE RECEPTOR (----)



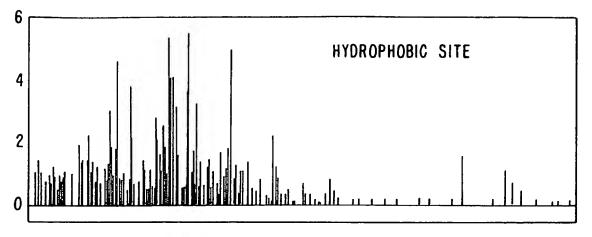


FIG. 28A.

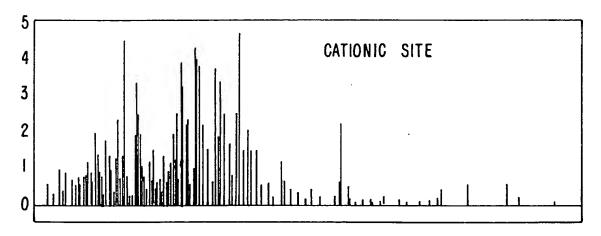


FIG. 28B.

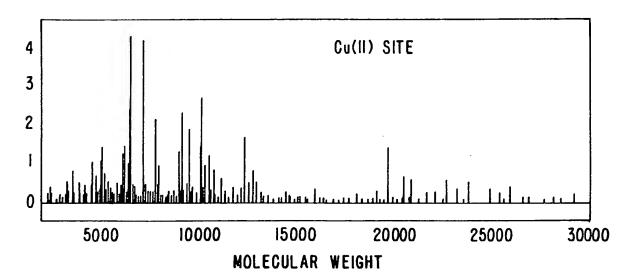
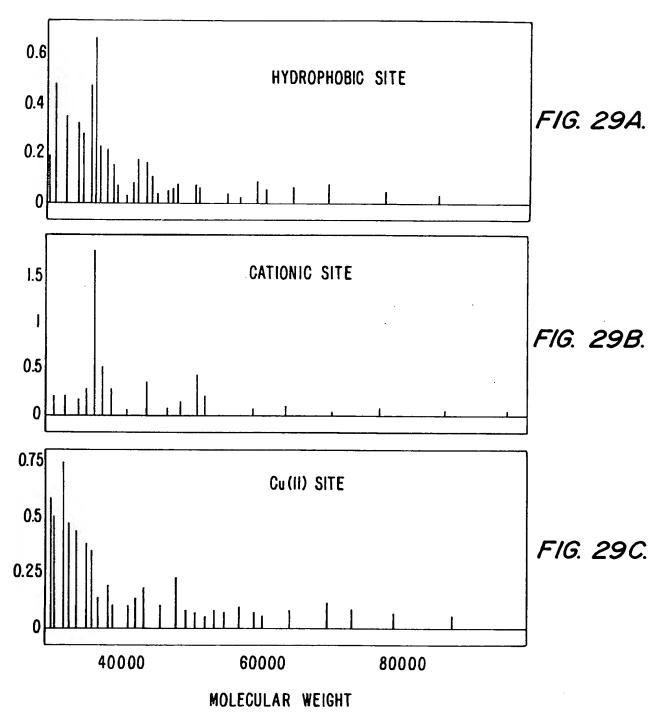


FIG. 28C.



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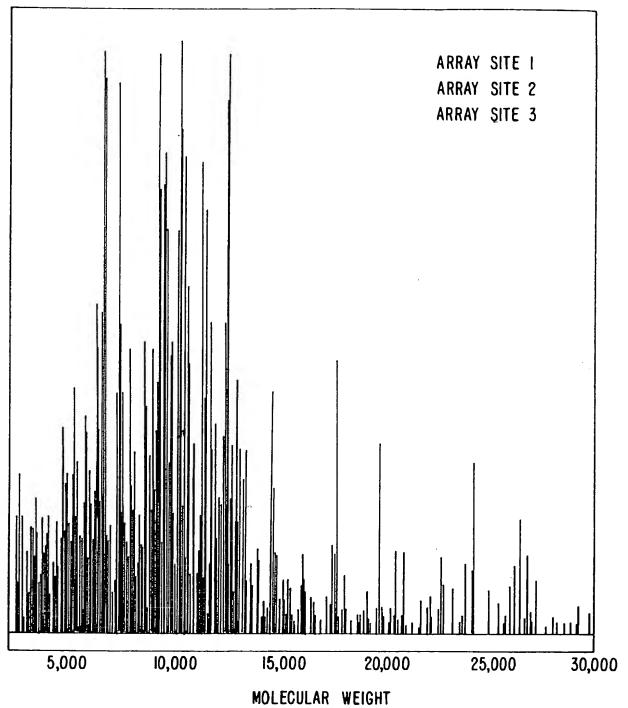


FIG. 30.



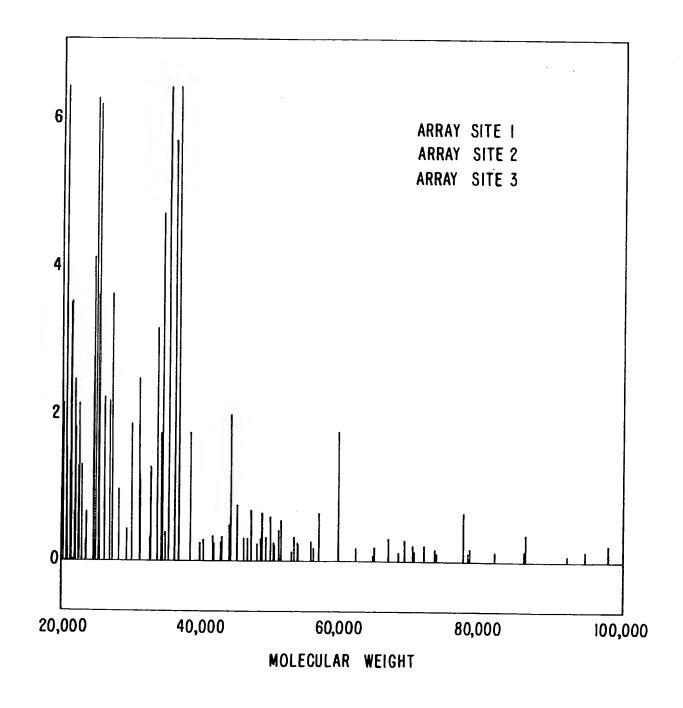


FIG. 31.



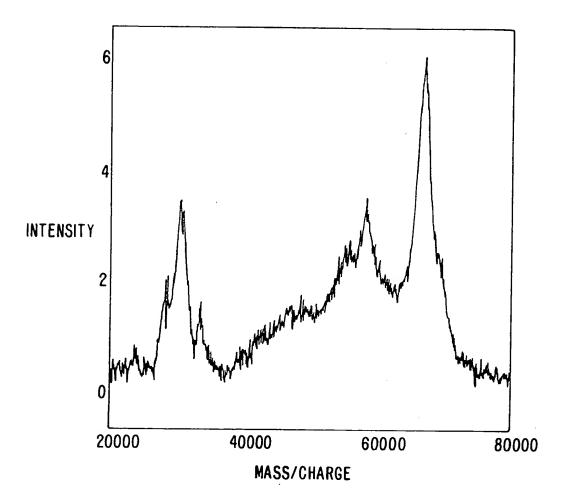


FIG. 32.

